

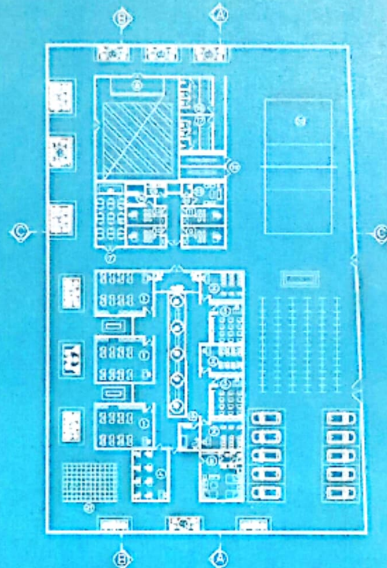
Jar Village School Design

Stdnt: Mobin Nouraei
Prof: Dr. Najafi



Site Analysis

- | | |
|--------------------------------|---------------------------|
| 1. Science Practical Classroom | 12. Administrative Office |
| 2. Theoretical Classroom | 13. Teachers' Rest Room |
| 3. Vocational Workshop | 14. Archive Room |
| 4. Multimedia Classroom | 15. Pantry |
| 5. Health Room | 16. Admin Toilet |
| 6. Teachers' Residence | 17. Boys' Toilet |
| 7. Library | 18. Girls' Toilet |
| 8. Prayer Room | 19. Dressing Room |
| 9. Principal's Office | 20. Volleyball Court |
| 10. Deputy Principal's Office | |
| 11. Teachers' Workroom | |



Floor plan



East Elevation



South Elevation



North Elevation



Section A - A



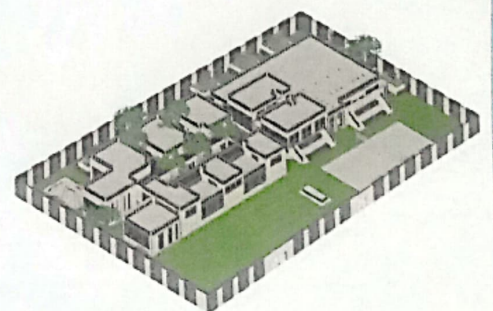
Section C - C



Section B - B



West Elevation



Bird's Eye View

BIOCLIMATIC ARCHITECTURE DESIGN ALBUM

PROF:
DR. NAJAFI

STDNT:
MOBIN NOURAEI

FEB 2026



TABLE OF CONTENT

01

PRESENTATION SHEET

02

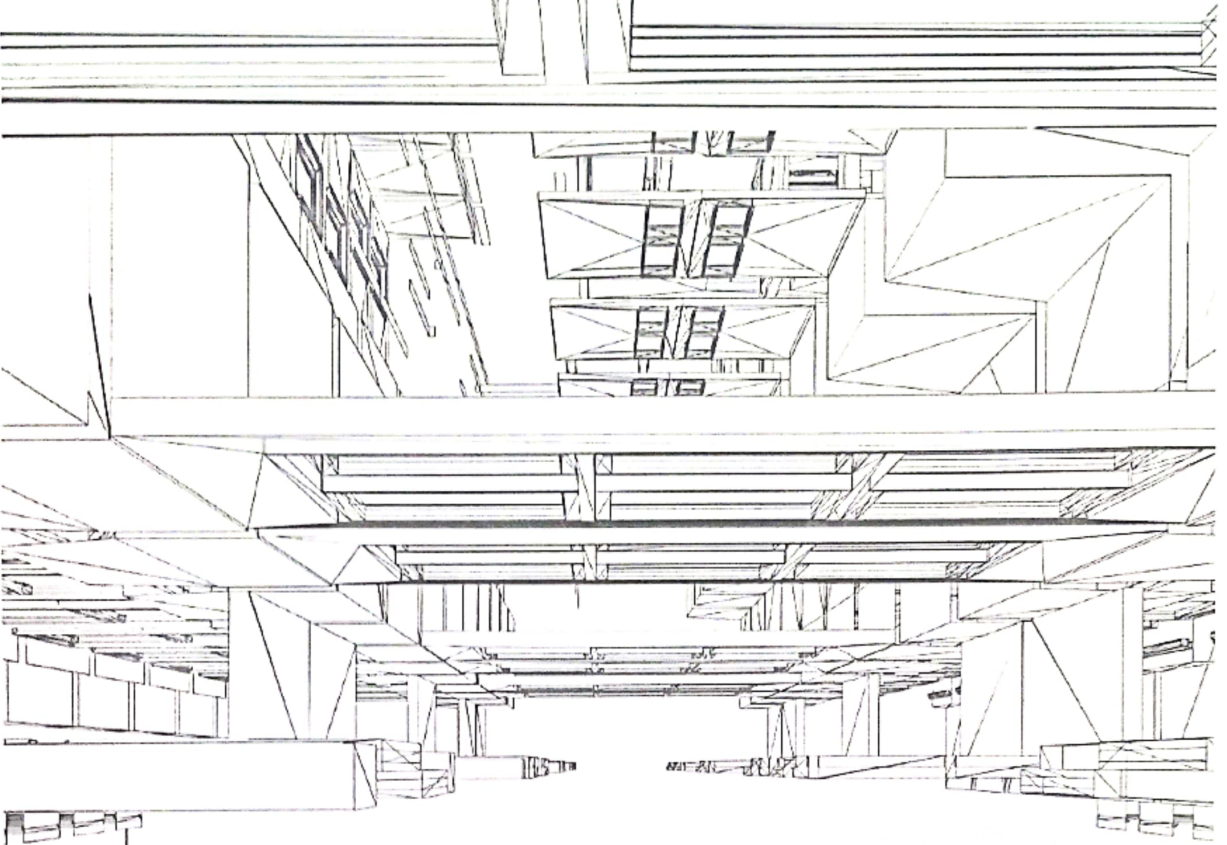
PORTFOLIO

- FLOOR PLAN
- SITE PLAN
- ELEVATION
- SECTION
- EYE'S BIRD VIEW
- 3D RENDERERS

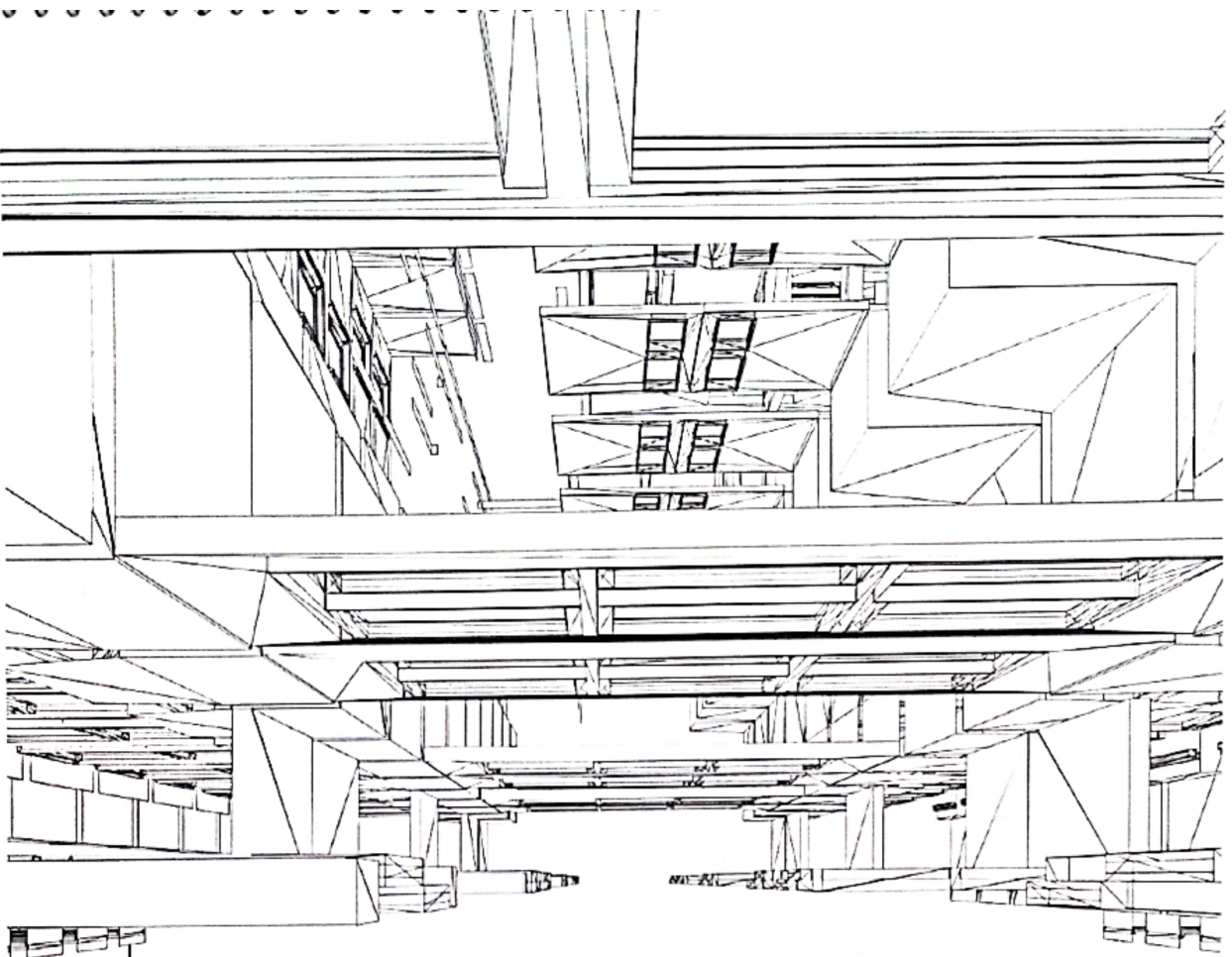
03

DAYLIGHTING LEVELS

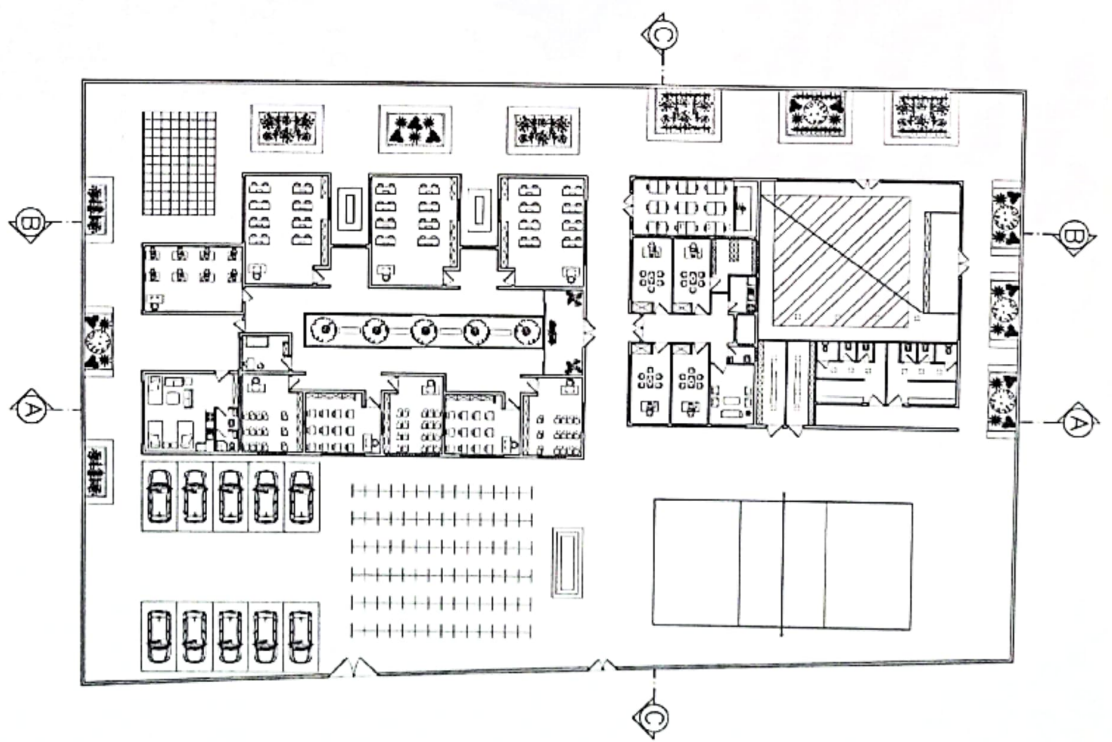
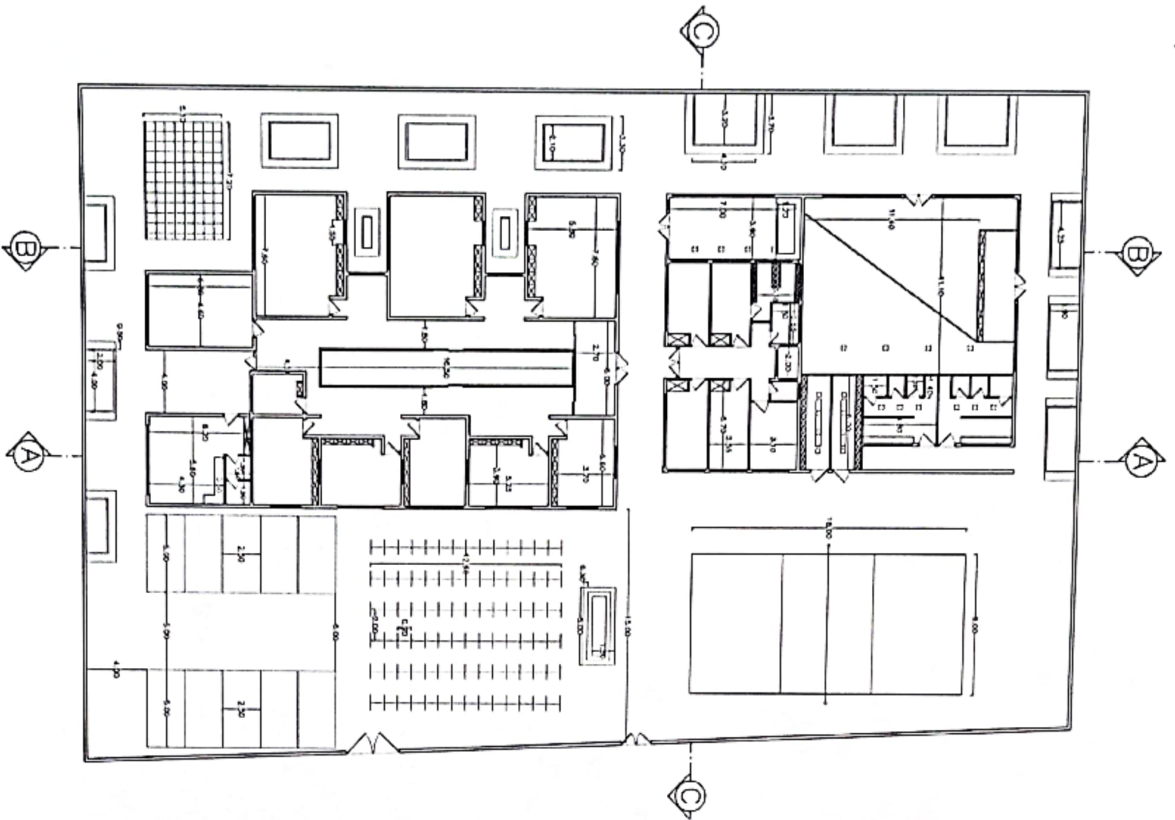
- | | |
|-------------------------------|-----------------------|
| • Theoretical Classroom | • Archive Room |
| • Vocational Workshop | • Teachers' Rest Room |
| • Multimedia Classroom | • Dressing Room |
| • Science Practical Classroom | • Health Room |
| • Library | • Admin Toilet |
| • Prayer Room | • Boys' Toilet |
| • Teachers' Residence | • Girls' Toilet |
| • Principal's Office | • Pantry |
| • Deputy Principal's Office | • Teachers' Workshop |
| • Administrative Office | |
| • Teachers' Workshop | |



PRESENTATION SHEET



PORTFOLIO



AUTODESK.

www.autodesk.com/revit

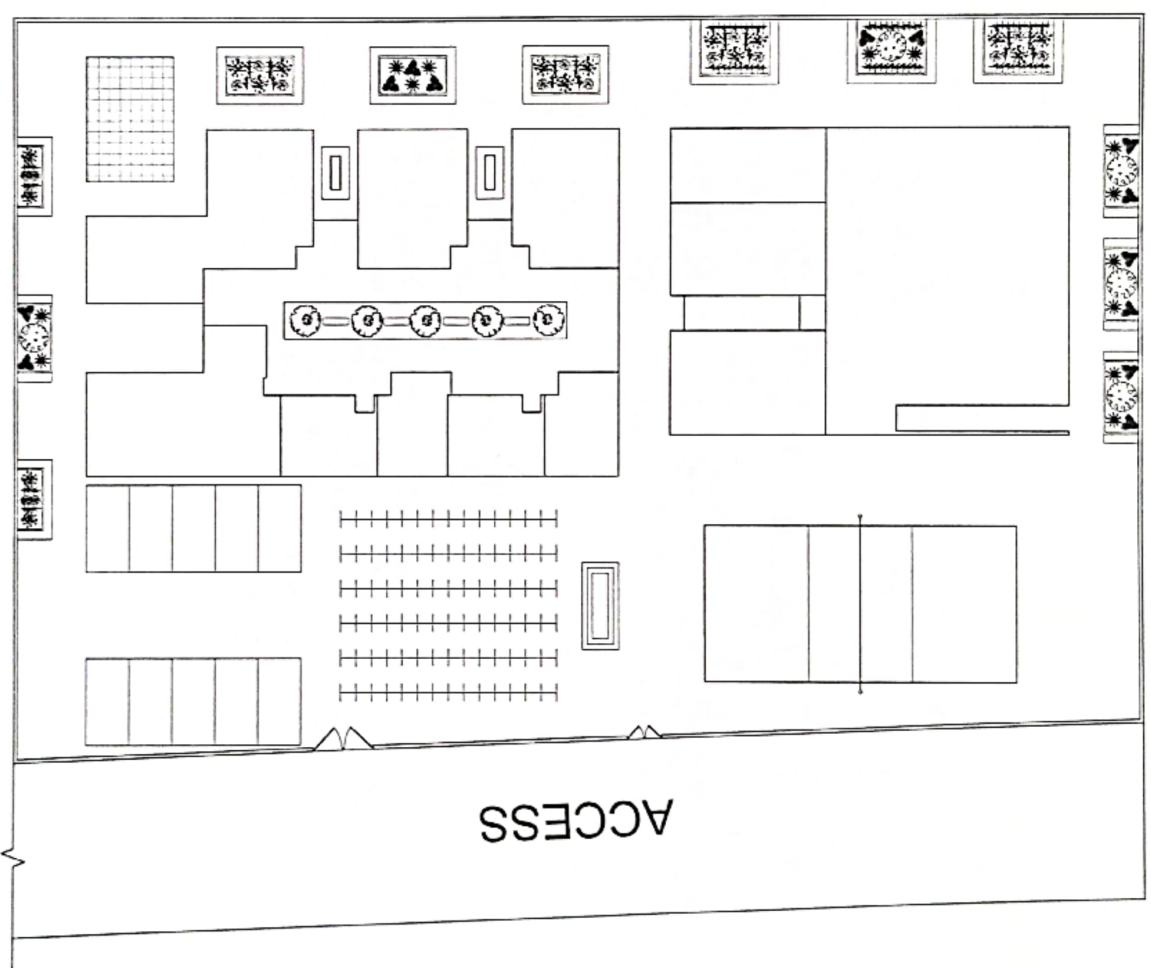
No.	Description	Date

Mobin Nouraei

Dr. Najafi

Plan

Project number	1
Date	18 / 9 / 1404
Drawn by	Mobin Nouraei
Checked by	Dr. Najafi
Scale	As indicated



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No.	Description	Date

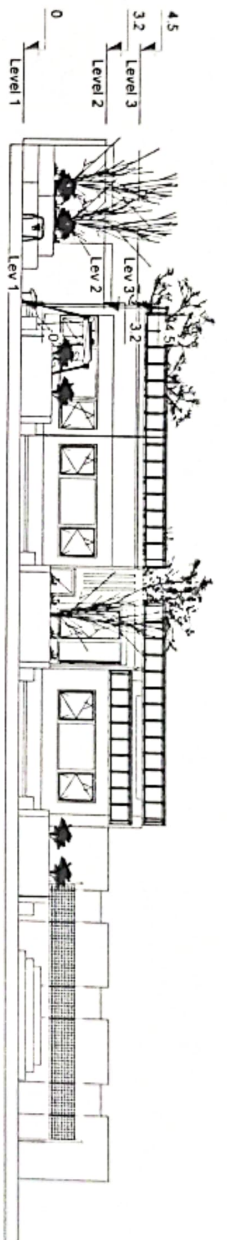
Mobin Nouraei

Dr.Najafi

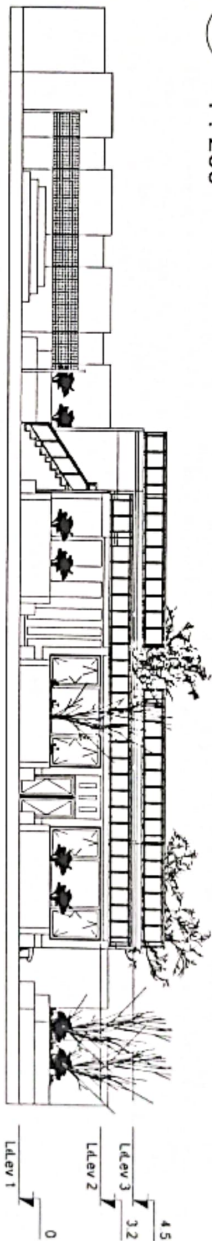
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Date	18 / 9 / 1404
Drawn by	Author
Checked by	Checker
Scale	1 : 300

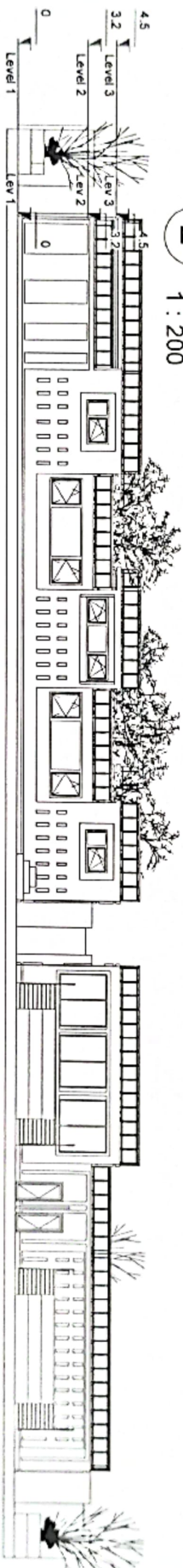
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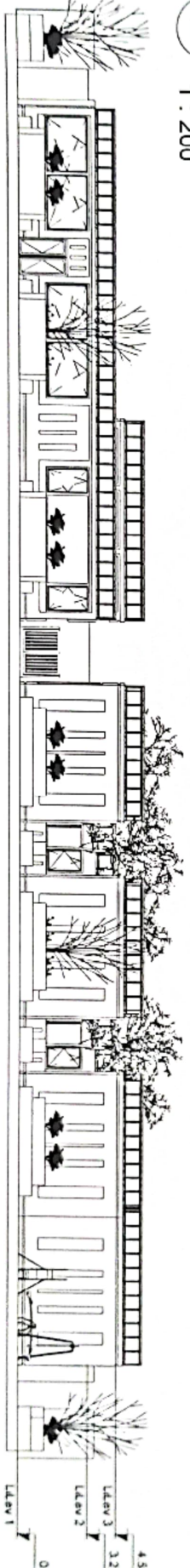
1
South
1 : 200



2
North
1 : 200



3
East
1 : 200



4
West
1 : 200



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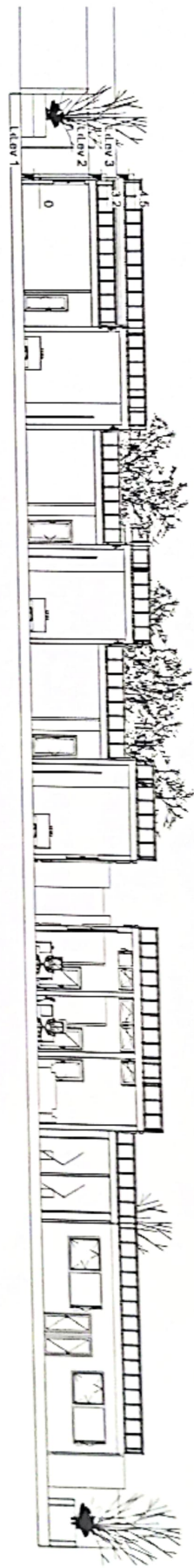
No.	Description	Date

Mobin Nouraei

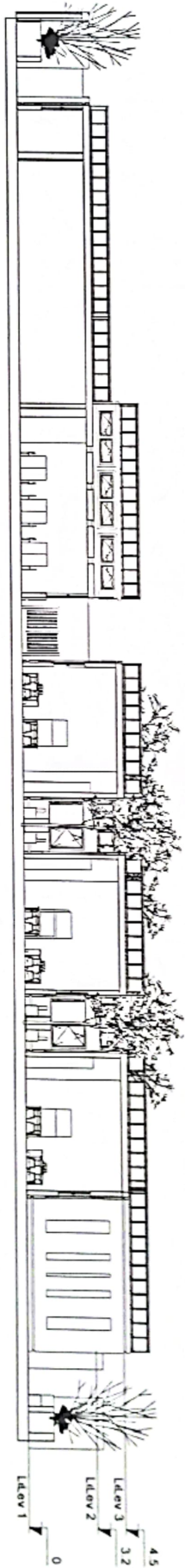
Dr.Najafi

elevation

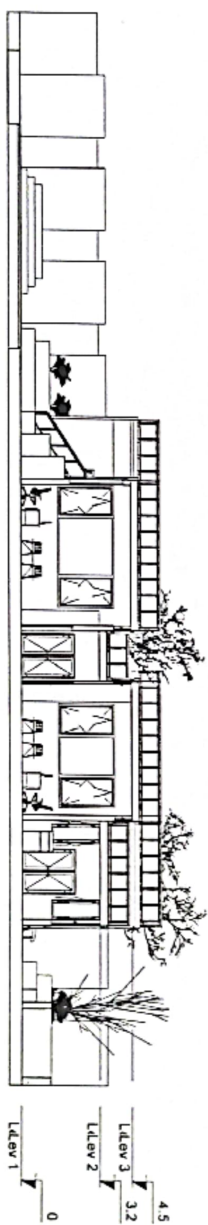
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Drawn By	Mobin Nouraei	
Checked By	Dr Najafi	
Scale	1 : 200	



3 Section A - A
1 : 200



2 Section B - B
1 : 200



1 Section C - C
1 : 200



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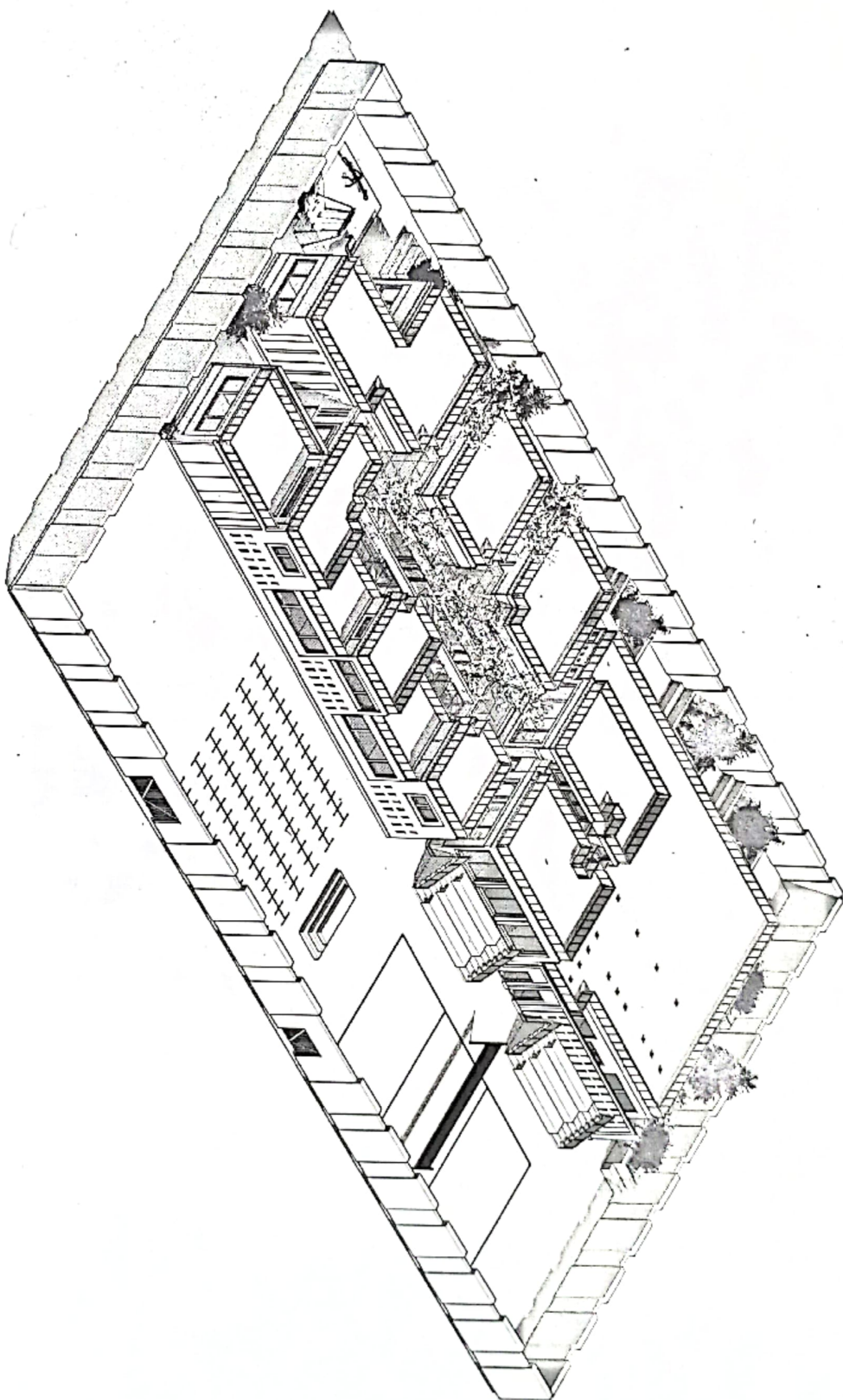
No.	Description	Date

Mobin Nouraei

Dr. Najafi

Section

Project number	1	4
Date	18 / 9 / 1404	
Drawn by	Mobin Nouraei	
Checked by	Dr. Najafi	
Scale	1 : 200	



1 Bird's Eye View 1

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No.	Description	Date

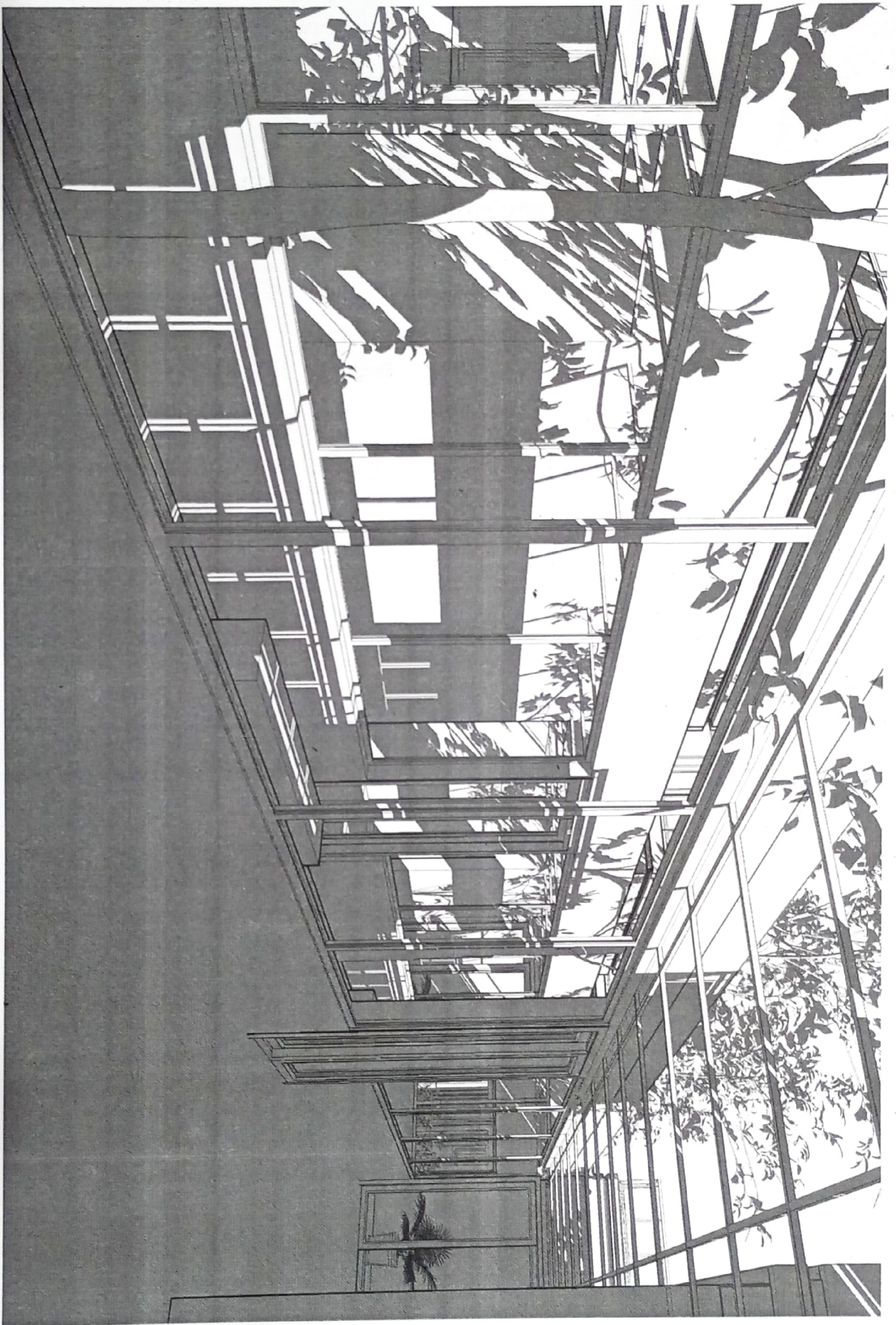
Mobin Nouraei

Dr. Najafi

Bird's Eye View

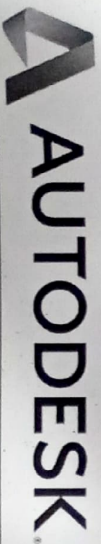
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Date	18 / 9 / 1404
Drawn By	Mobin Nouraei
Checked By	Dr. Najafi

5



1

3D View 1



www.autodesk.com/revit

No.	Description	Date

Mobin Nouraei

Dr. Najafi

3D View

Project number	1
Date	18 / 9 / 1404
Drawn by	Mobin Nouraei
Checked by	Dr. Najafi
Scale	

7



2

3D View 2



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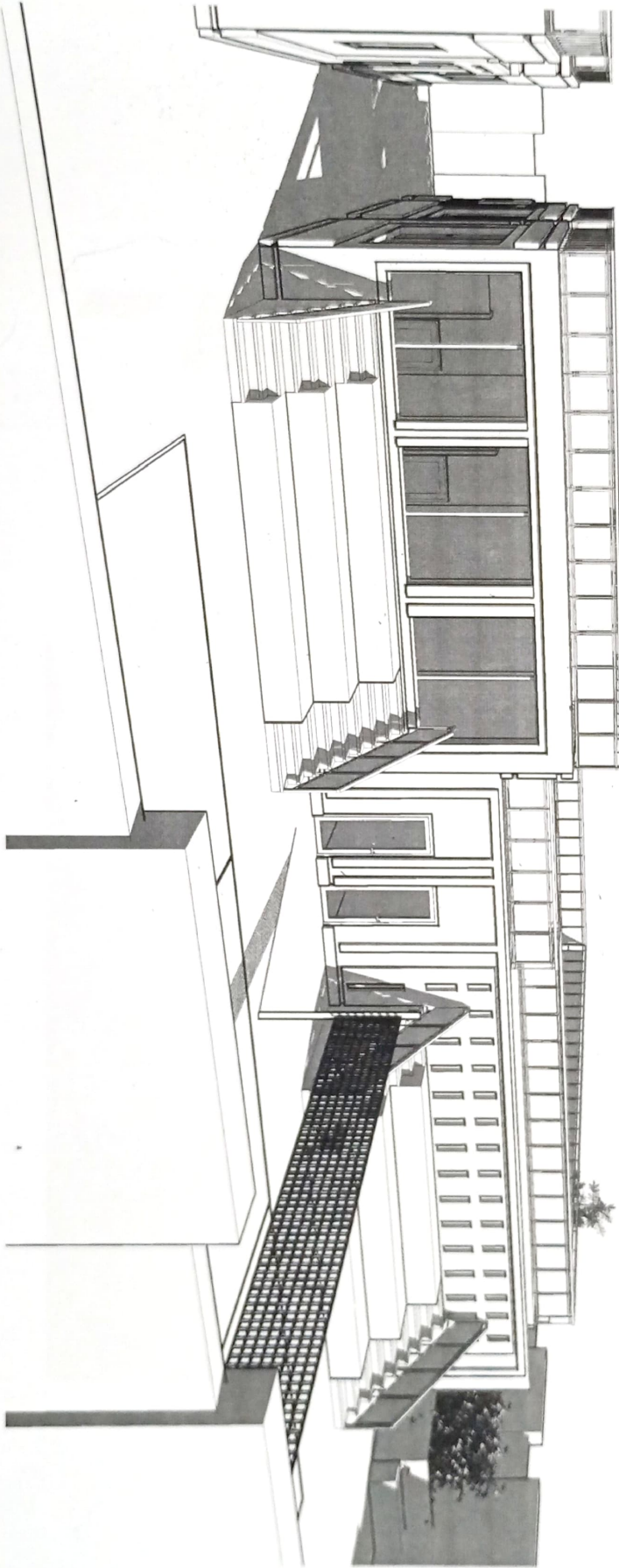
No.	Description	Date

Mobin Nouraei

Dr.Najafi

3D View

Project number	1	8
Date	18 / 9 / 1404	
Drawn by	Mobin Nouraei	
Checked by	Dr.Najafi	Scale



3
3D View 3



www.autodesk.com/revit

No.	Description	Date

Mobin Nouraei

Dr. Najafi

3D View

Project number	1
Date	18 / 9 / 1404
Drawn By	Mobin Nouraei
Checked By	Dr. Najafi

9

Scale



4 3D View 11

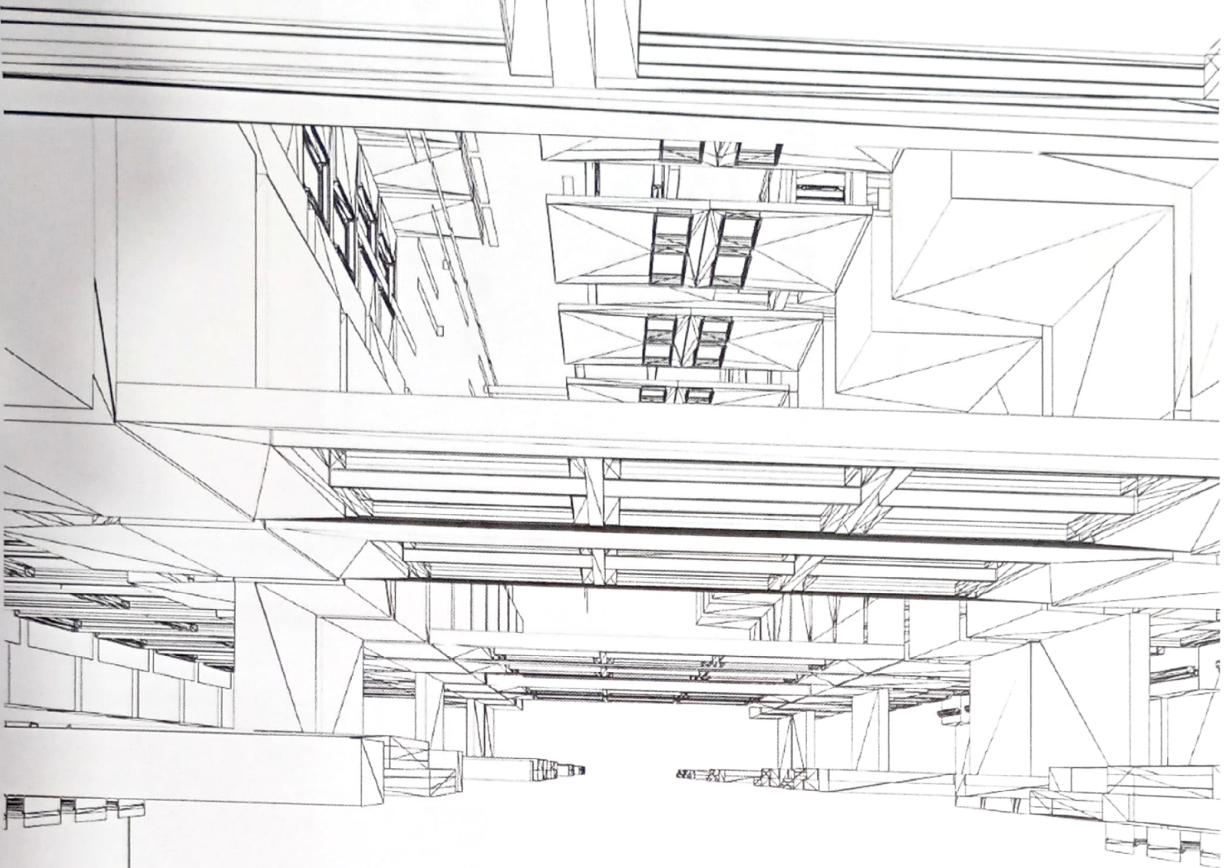


www.autodesk.com/revit

No.	Description	Date

Mobin Nouraei
Dr. Najafi

3D View		
Project number	1	10
Date	18 / 9 / 1404	
Drawn by	Mobin Nouraei	
Checked by	Dr. Najafi	Scale



DAYLIGHTING LEVELS

Theoretical Classroom 1

No.	Width	Height	O.K.B	Direction
1	2	1.5	1.5	North
2	1	3.2		East

Floor Area = 25.5

Window Area = 5

Window area / Floor area = 19.6%



Daylight Analysis

Daylighting Levels

Contour Range: 480 - 2080 lux

In Steps of: 160 lux

Average Value: 1201.49 lux
Visible Nodes: 96



Theoretical Classroom 2

No.	Width	Height	O.K.B	Direction
2	1.6	0.4	3.95	North - South
1	3.8	1	3.2	East

Floor Area = 25.5

Window Area = 5.08

Window area / Floor area = 19.95%



Daylight Analysis

Daylighting Levels

Contour Range: 280 - 980 lux

In Steps of: 70 lux

Average Value: 695.70 lux
Visible Nodes: 96



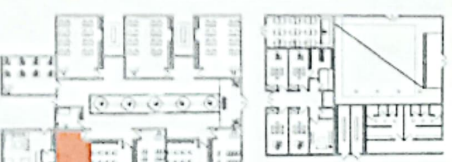
Theoretical Classroom 3

No.	Width	Height	O.K.B	Direction
1	1.6	0.4	3.95	North
1	5.2	0.4	3.95	South
2	1	3.2		East

Floor Area = 25.5

Window Area = 4.72

Window area / Floor area = 18.5%



Daylight Analysis

Daylighting Levels

Contour Range: 400 - 1000 lux

In Steps of: 60 lux

Average Value: 706.11 lux
Visible Nodes: 96



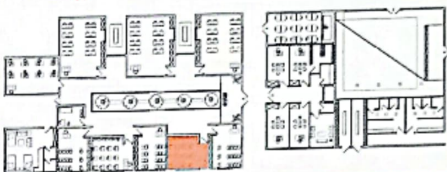
Vocational Workshop 1

No.	Width	Height	O.K.B	Direction
1	3	1.5	1.5	East

Floor Area = 22.5

Window Area = 4.5

Window area / Floor area = 20%



Daylight Analysis

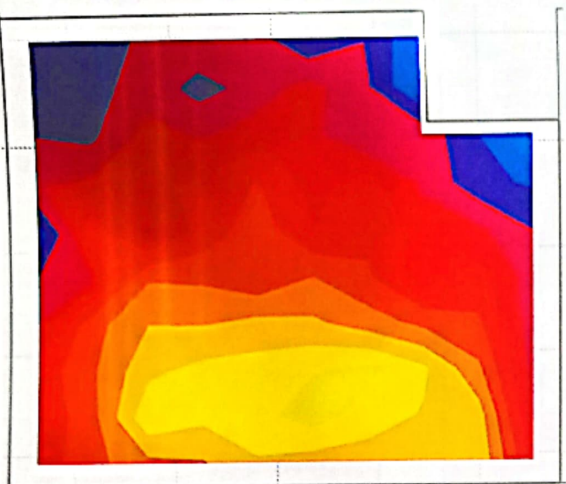
Daylighting Levels

Contour Range: 540 - 1840 lux

In Steps of: 130 lux

Average Value: 1245.29 lux

Visible Nodes: 96



Multimedia Classroom

No.	Width	Height	O.K.B	Direction
1	4.4	1.5	1.5	South

Floor Area = 35

Window Area = 6.6

Window area / Floor area = 18.85%



Daylight Analysis

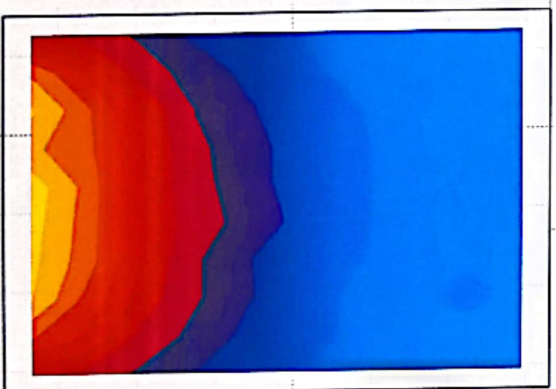
Daylighting Levels

Contour Range: 320 - 2120 lux

In Steps of: 180 lux

Average Value: 798.92 lux

Visible Nodes: 100



Vocational Workshop 2

No.	Width	Height	O.K.B	Direction
1	3	1.5	1.5	East

Floor Area = 22.5

Window Area = 4.5

Window area / Floor area = 20%



Daylight Analysis

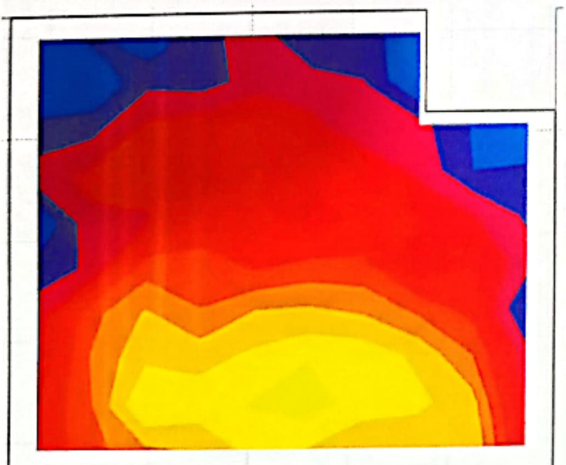
Daylighting Levels

Contour Range: 630 - 1830 lux

In Steps of: 120 lux

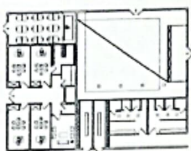
Average Value: 1249.86 lux

Visible Nodes: 96



Science Practical Classroom 1

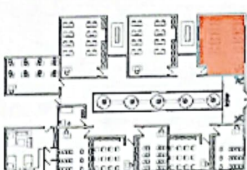
No.	Width	Height	O.K.B	Direction
1	4.5	1.5	1.5	North
1	1.5	1.5	1.5	South



Floor Area = 47.5

Window Area = 9

Window area / Floor area = 19%



Daylight Analysis

Daylighting Levels

Contour Range: 320 - 1820 lux

In Steps of: 150 lux

Average Value: 844.43 lux
Visible Nodes: 96



Science Practical Classroom 2

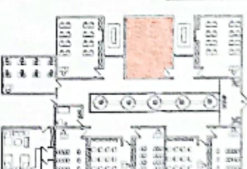
No.	Width	Height	O.K.B	Direction
1	4.5	1.5	1.5	South
1	1.5	1.5	1.5	North



Floor Area = 47.5

Window Area = 9

Window area / Floor area = 19%



Daylight Analysis

Daylighting Levels

Contour Range: 280 - 1780 lux

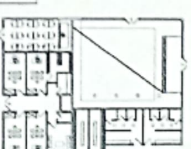
In Steps of: 150 lux

Average Value: 816.23 lux
Visible Nodes: 96



Science Practical Classroom 3

No.	Width	Height	O.K.B	Direction
1	4.5	1.5	1.5	South
1	1.5	1.5	1.5	North



Floor Area = 47.5

Window Area = 9

Window area / Floor area = 19%



Daylight Analysis

Daylighting Levels

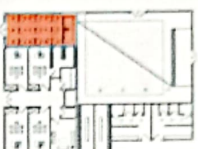
Contour Range: 280 - 1780 lux

In Steps of: 150 lux

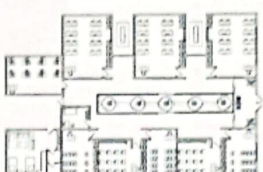
Average Value: 898.25 lux
Visible Nodes: 96



Library



No.	Width	Height	O.K.B	Direction
1	6.6	2	1.2	West
2	0.55	2	1.2	South
4	0.3	0.3	0	Roof



Daylight Analysis

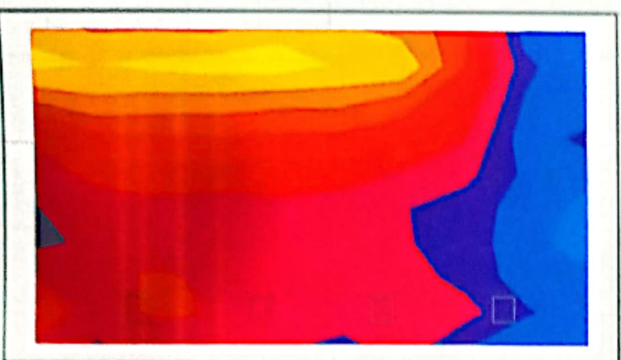
Daylighting Levels

Contour Range: 240 - 1840 lux

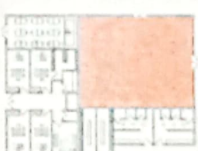
In Steps of: 160 lux

Average Value: 923.75 lux

Visible Nodes: 100



Prayer Room



No.	Width	Height	O.K.B	Direction
2	5.1	2	1.2	West
2	4.25	2	1.2	North
4	0.3	0.3	0	Roof



Daylight Analysis

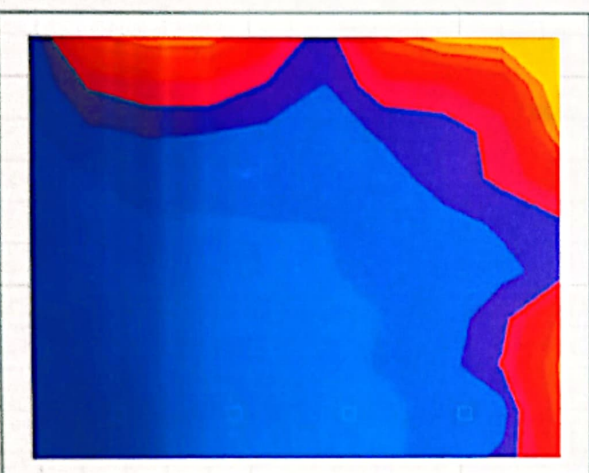
Daylighting Levels

Contour Range: 320 - 2120 lux

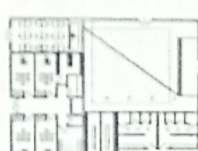
In Steps of: 180 lux

Average Value: 730.58 lux

Visible Nodes: 100



Teachers' Residence



No.	Width	Height	O.K.B	Direction
1	4.4	1.5	1.5	South



Daylight Analysis

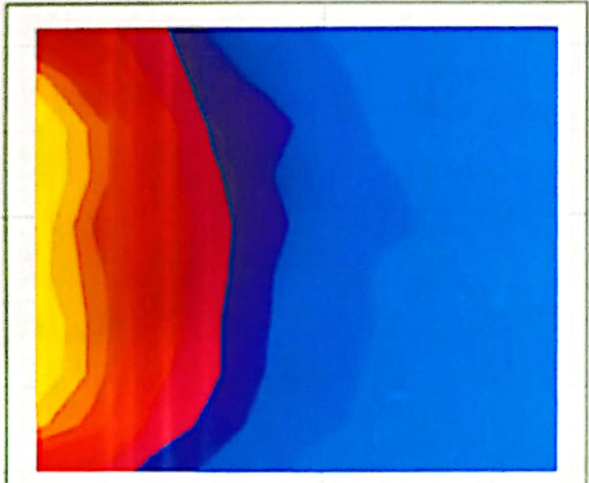
Daylighting Levels

Contour Range: 280 - 1780 lux

In Steps of: 150 lux

Average Value: 692.80 lux

Visible Nodes: 100



Administrative Office

Daylight Analysis

Daylighting Levels

Contour Range: 210 - 610 lux

In Steps of: 40 lux

Average Value: 399.95 lux

Visible Nodes: 100

No.	Width	Height	O.K.B	Direction
2	2.4	0.7	3.8	East - West



Teachers' Workroom

Daylight Analysis

Daylighting Levels

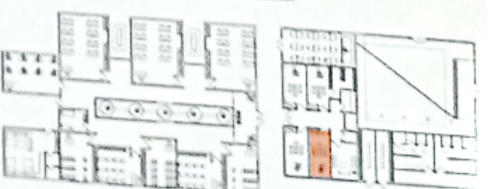
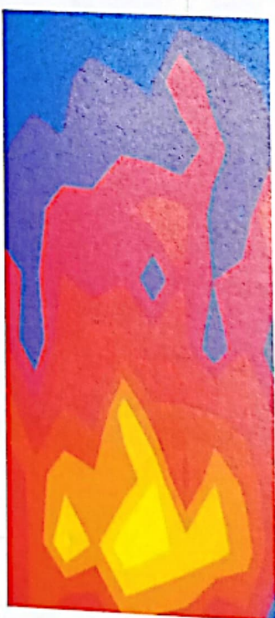
Contour Range: 350 - 1050 lux

In Steps of: 70 lux

Average Value: 643.67 lux

Visible Nodes: 100

No.	Width	Height	O.K.B	Direction
1	2.4	2.2	2	West
1	2.4	0.7	3.8	East



Deputy Principal's Office

Daylight Analysis

Daylighting Levels

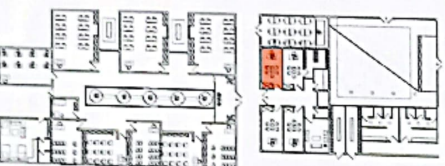
Contour Range: 540 - 1840 lux

In Steps of: 130 lux

Average Value: 1053.74 lux

Visible Nodes: 100

No.	Width	Height	O.K.B	Direction
1	4.1	2.3	1.5	South
1	2.4	0.7	3.8	West
1	1.75	0.7	3.8	East



Principal's Office

Daylight Analysis

Daylighting Levels

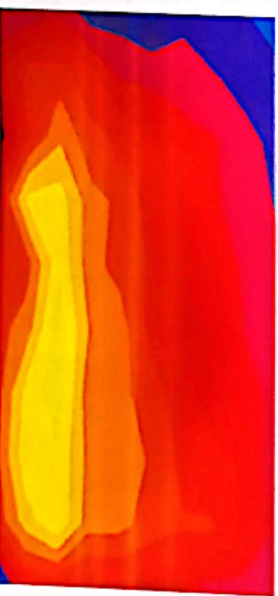
Contour Range: 480 - 2080 lux

In Steps of: 160 lux

Average Value: 1335.74 lux

Visible Nodes: 100

No.	Width	Height	O.K.B	Direction
1	4.6	2.3	1.5	South
1	2.4	2.2	2	East
1	1.75	0.7	3.8	West



Archive Room

Daylight Analysis

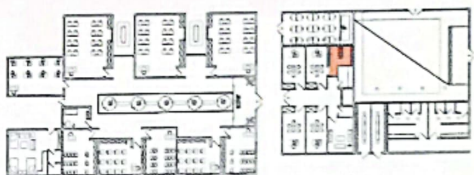
Daylighting Levels

Contour Range: 140 - 740 lux

In Steps of: 60 lux

Average Value: 476.31 lux

Visible Nodes: 82



No.	Width	Height	O.K.B	Direction
1	2.4	0.7	3.8	West
1	1.1	0.7	3.8	East
1	2.25	0.7	3.8	North



Dressing Room

Daylight Analysis

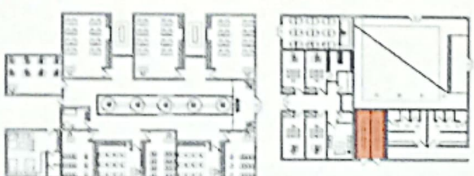
Daylighting Levels

Contour Range: 210 - 1210 lux

In Steps of: 100 lux

Average Value: 667.15 lux

Visible Nodes: 100



No.	Width	Height	O.K.B	Direction
4	0.3	0.3	0	Roof



Teachers' Rest Room

Daylight Analysis

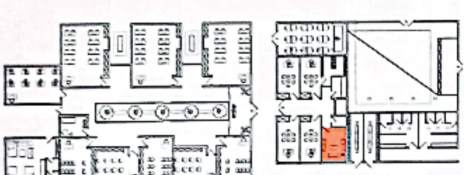
Daylighting Levels

Contour Range: 360 - 960 lux

In Steps of: 60 lux

Average Value: 624.99 lux

Visible Nodes: 100



No.	Width	Height	O.K.B	Direction
1	2.4	2.2	2	East
1	1.1	0.7	3.8	West



Health Room

Daylight Analysis

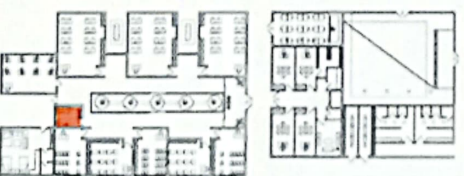
Daylighting Levels

Contour Range: 320 - 1520 lux

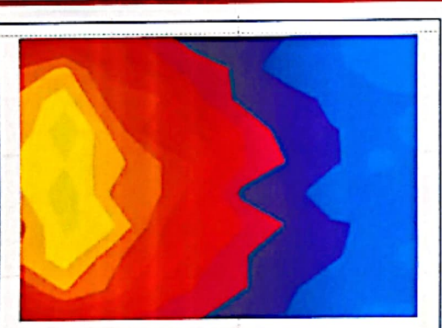
In Steps of: 120 lux

Average Value: 819.49 lux

Visible Nodes: 100



No.	Width	Height	O.K.B	Direction
1	2.15	2.7	1.5	South

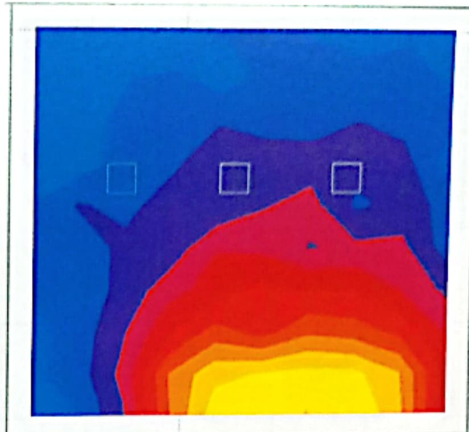


Boys' Toilet

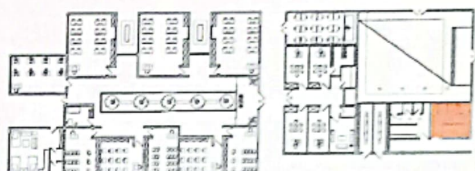
Daylight Analysis

Daylighting Levels
Contour Range: 150 - 1450 lux
In Steps of: 130 lux

Average Value: 537.46 lux
Visible Nodes: 100



No.	Width	Height	O.K.B	Direction
1	3.1	1.5	1.5	East
3	0.3	0.3	0	Roof



Girls' Toilet

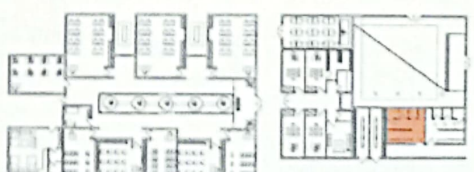
Daylight Analysis

Daylighting Levels
Contour Range: 120 - 1420 lux
In Steps of: 130 lux

Average Value: 507.66 lux
Visible Nodes: 100



No.	Width	Height	O.K.B	Direction
1	3.1	1.5	1.5	East
3	0.3	0.3	0	Roof

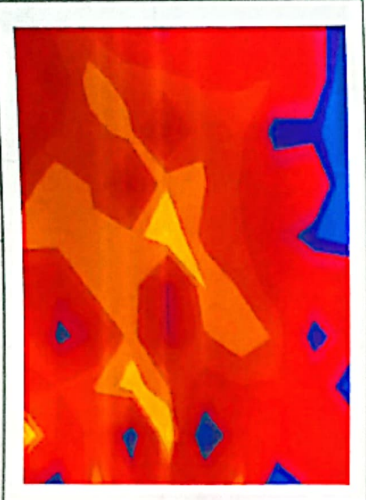


Pantry

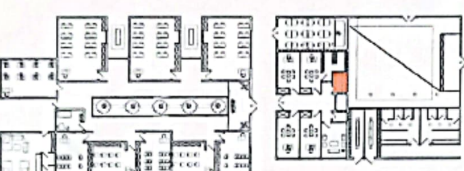
Daylight Analysis

Daylighting Levels
Contour Range: 140 - 740 lux
In Steps of: 60 lux

Average Value: 458.76 lux
Visible Nodes: 100



No.	Width	Height	O.K.B	Direction
1	2.25	0.7	3.8	North
1	1.1	0.7	3.8	East

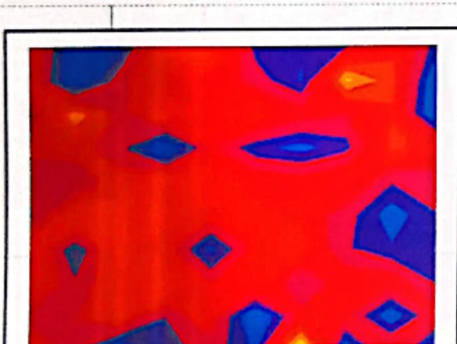


Admin Toilet

Daylight Analysis

Daylighting Levels
Contour Range: 210 - 810 lux
In Steps of: 60 lux

Average Value: 447.76 lux
Visible Nodes: 100



No.	Width	Height	O.K.B	Direction
1	1	0.7	3.8	North
1	1.1	0.7	3.8	West

